



PTO/SB/21 (08-03)

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/633,297	
	Filing Date	July 31, 2003	
	First Named Inventor	Al M. Arellanes	
	Art Unit	3751	
	Examiner Name		
Total Number of Pages in This Submission	7	Attorney Docket Number	GEO 301C

**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please Identify below): 1. Form PTO-1449 (3 pages)
<b>Remarks</b>		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

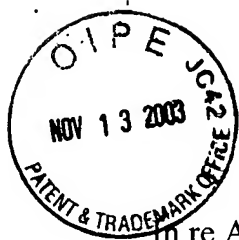
Firm or Individual name	M. Matthews Hall, Esq. Kolisch Hartwell, P.C.
Signature	<i>M. Matthews Hall</i>
Date	November 10, 2003

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name	Renee Knight		
Signature	<i>Renee Knight</i>	Date	November 10, 2003

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Date: November 10, 2003

AL M. ARELLANES

Serial No. : 10/633,297

Group Art Unit 3751

Filed : July 31, 2003

For : FLUENT MATERIAL CONFINEMENT SYSTEM

Commissioner for Patents

P.O. Box 1450

Alexandria, Virginia 22313-1450

Sir:

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.56, 1.97, and 1.98**

Applicant is submitting this Information Disclosure Statement pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98 to disclose to the Patent Office the patents, publications, applications, and/or other references listed on the enclosed, completed PTO-1449 form(s). The filing of this Information Disclosure Statement should not be construed as a representation that a search has been made or as an admission that the listed references are prior art for this application. Applicant respectfully requests that the listed references be expressly considered during prosecution of the application, and that the references be made of record therein and appear among the "references cited" on any patents issuing therefrom.

## **CONTENT OF DISCLOSURE**

This Information Disclosure Statement includes three pages of PTO-1449 forms; however, it does not include copies of the references listed on the form(s), as permitted under 37 C.F.R. § 1.98(d), because copies already were provided in an earlier U.S. application (Serial No. 10/086,772, filed February 28, 2002) that is relied on here for an earlier effective filing date under 35 U.S.C. § 120.

## **FOREIGN-LANGUAGE REFERENCES**

A concise explanation of the relevance of each listed reference not in the English language follows:

European Patent No. 0 048 006 appears to disclose in Fig. 1 a carrying carton with a grid-like insert.

German Patent No. 127104 appears to disclose in Fig. 1 a hexagonal grid system for confining a material.

German Patent No. 660199 appears to disclose in Figs. 1 – 4 a partially interwoven grid system held together by a plurality of dowels 4.

The Netherlands Patent No. 6708323 appears to disclose in Figs. 1 and 2 an interwoven grid system for confining a material.

## **TIMING OF DISCLOSURE / FEE INFORMATION**

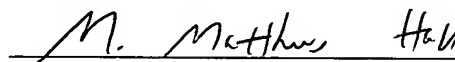
This Information Disclosure Statement is being filed, to the best of the undersigned's knowledge, either (1) before the mailing of a first Office action on the merits, or (2) before the mailing of a first Office action after the filing of a request for

continued examination under 37 C.F.R. § 1.114. Therefore, in accordance with 37 C.F.R. § 1.97(b), no fee or statement under 37 C.F.R. § 1.97(e) is required.

Please contact the undersigned with any questions or comments regarding this Information Disclosure Statement.

Respectfully submitted,

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on November 10, 2003.

  
Renee Knight



SHEET 1 OF 3

FORM PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION	DOCKET NUMBER GEO 301C	APPLICATION NUMBER 10/633,297
	APPLICANT Al M. Arellanes	
	FILING DATE July 31, 2003	GROUP ART UNIT 3751

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
	1,081,476	12/16/13	Wellen			
	1,896,957	2/7/33	Hutcheson			
	2,069,391	2/2/37	Sample			
	2,121,173	6/21/38	Macpherson			
	2,205,758	6/25/40	Clark			
	2,315,448	3/30/43	Nagin et al.			
	3,050,162	8/21/62	Zingone			
	3,616,111	10/26/71	Raech Jr.			
	3,762,124	10/2/73	De Jonge			
	3,807,116	4/30/74	Flynn			
	3,878,638	4/22/75	Benjamin			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO	
	WO 84/02913	8/2/1984	WIPO			XX	
	0 039 448	4/23/1981	Europe			XX	
	0 048 006	9/12/1981	Europe				XX

## OTHER DOCUMENTS

	"Investigation of Construction Concepts for Pavements Across Soft Ground," Webster et al., 1978.
	"Analysis of Grid Cell Reinforced Pavement Bases," Mitchell, 1979.
	"Investigation of Beach Sand Trafficability Enhancement Using Sand-Grid Confinement and Membrane Reinforcement Concepts; Report 1: Sand Test Sections 1 and 2," Webster, 1979.

EXAMINER

DATE CONSIDERED

SHEET 2 OF 3

FORM PTO-1449		DOCKET NUMBER GEO 301C		APPLICATION NUMBER 10/633,297		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION		APPLICANT Al M. Arellanes				
		FILING DATE July 31, 2003		GROUP ART UNIT 3751		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
	4,005,943	2/1/77	Devenish et al.			
	4,168,924	9/25/79	Draper et al.			
	4,288,175	9/8/81	Baker et al.			
	4,358,047	11/9/82	Raubenheimer			
	4,372,086	2/8/83	Hanlon			
	4,384,810	5/24/83	Neumann			
	4,448,571	3/15/84	Eckels			
	4,452,025	6/5/84	Lew			
	4,502,815	3/5/85	Scales et al.			
	4,555,201	11/26/85	Paoluccio			
	4,572,705	2/25/86	Vignon et al.			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
	127104	11/25/1900	Germany			XX
	660199	4/28/1938	Germany			XX
	1244800	9/19/1960	France			XX
OTHER DOCUMENTS						
	"Investigation of Beach Sand Trafficability Enhancement Using Sand-Grid Confinement and Membrane Reinforcement Concepts; Report 1: Sand Test Sections 3 and 4," Webster, February 1981.					
	"Experiments in Mouridah and Kalumba for Stabilizing Clayey and Dune Sands Used in Structural Layers," Cella et al., October 1982.					
	"Development and Preliminary Evaluation of a Rapid Deployment Fortification Wall," Arellanes et al., December 1, 1985.					
EXAMINER			DATE CONSIDERED			

SHEET 3 OF 3

FORM PTO-1449		DOCKET NUMBER GEO 301C		APPLICATION NUMBER 10/633,297			
INFORMATION DISCLOSURE CITATION IN AN APPLICATION		APPLICANT Al M. Arellanes					
		FILING DATE July 31, 2003		GROUP ART UNIT 3751			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.	
	4,785,604	11/22/88	Johnson, Jr.				
	4,797,026	1/10/89	Webster				
	4,945,689	8/7/90	Johnson, Jr.				
	5,076,546	12/31/91	Henry				
	5,250,340	10/5/93	Bohnhoff				
	5,604,949	2/25/97	Mangone				
	5,806,121	9/15/98	Mangone				
	5,864,910	2/2/99	Mangone				
	6,390,154	5/21/02	Hall				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO	
	6708323	12/18/1967	Netherlands				XX
OTHER DOCUMENTS							
	"The Protection and Rehabilitation of Dams Using Cellular Confinement Systems," Crowe et al., August 1995.						
	"Expedient Field Fortifications Using Sand-Grid Construction," Hayes, October 1998.						
EXAMINER			DATE CONSIDERED				